

ATTACHMENT - COLLECTION OF FUGITIVE EMISSION COMPONENTS AT A
WELL SITE

Survey Information												
Facility Name	Ledger Entity	Date (b)(7)(i)	Beginning Time (b)(7)(i)	Name of O&I Operator (b)(7)(i)	End Time (b)(7)(i)	Training and Experience of O&I Operator (b)(7)(i)	Ambient Temperature, Sky Conditions and Wind Speed (b)(7)(i)	Measuring Instrument (or Statement of no Deviations) (b)(7)(i)	Deviations (or Statement of no Deviations) (b)(7)(i)	Number and Type of Components for Which Emissions Were Detected (b)(7)(i)	Number and Type of Components Not Reported As Required (b)(7)(i)	Type of Instruments Used to Repair a Component (and initial finding) (b)(7)(i)
A105A	CNA Resources	1/14/2018	14:20	14:25	David Kerner	3 years	54 F, Overcast, 8 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A135F	CNA Resources	1/10/2017	13:30	13:35	David Kerner	3 years	54 F, Overcast, 8 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A135E	CNA Resources	1/29/2018	13:40	13:45	David Kerner	3 years	54 F, Overcast / 1 yrs experience	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A134D	CNA Resources	1/20/2018	11:15	11:20	David Kerner	3 years	74 F, Mostly Cloudy, 11 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A134A	CNA Resources	6/12/2018	13:55	14:00	David Kerner	3 years	74 F, Partly Cloudy, 11 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AV140A	CNA Resources	11/27/2017	11:25	11:30	David Kerner	3 years	54 F, Cloudy, 12 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A134A	CNA Resources	1/14/2018	11:15	11:25	David Kerner	3 years	74 F, Mostly Cloudy, 11 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AV147	CNA Resources	11/27/2017	11:40	11:45	David Kerner	3 years	74 F, Partly Cloudy, 11 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AV147	CNA Resources	1/24/2018	11:30	11:40	David Kerner	3 years	74 F, Partly Cloudy, 11 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A1313E	CNA Resources	10/26/2017	14:40	14:45	David Kerner	3 years	54 F, Cloudy, 14 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A1313A	CNA Resources	1/13/2018	11:50	13:55	David Kerner	3 years	34 F, Mostly Cloudy, 6.7 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AY112A	CNA Resources	10/26/2017	14:05	14:10	David Kerner	3 years	54 F, Cloudy, 9.3 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AY112A	CNA Resources	1/13/2018	14:15	14:20	David Kerner	3 years	34 F, Cloudy, 1 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AY140A	CNA Resources	11/21/2017	12:45	12:50	David Kerner	3 years	54 F, Partly Cloudy, 14.7 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AY140A	CNA Resources	1/14/2018	13:15	13:20	David Kerner	3 years	74 F, Scattered clouds, 2.8 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AY142A	CNA Resources	11/21/2017	14:25	14:30	David Kerner	3 years	54 F, Partly Cloudy, 7.1 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AY142A	CNA Resources	5/22/2018	11:20	11:35	David Kerner	3 years	54 F, Cloudy, sunny, 11.5 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AY144A	CNA Resources	11/21/2017	10:45	10:50	David Kerner	3 years	54 F, Partly Cloudy, 3.3 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
AY144A	CNA Resources	5/22/2018	11:50	12:00	David Kerner	3 years	81 F, Cloudy, 5 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A209A	CNA Resources	1/10/2017	14:40	14:45	David Kerner	3 years	74 F, Mostly Cloudy, 4.4 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A209A	CNA Resources	1/13/2018	13:15	13:20	David Kerner	3 years	54 F, Overcast, 6.9 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A2110A	CNA Resources	1/13/2018	14:50	14:55	David Kerner	3 years	54 F, Overcast, 6.5 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A2110A	CNA Resources	1/22/2018	10:45	10:50	David Kerner	3 years	60 F, Overcast, 5.9 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable
A2110A	CNA Resources	11/21/2017	12:30	12:35	David Kerner	3 years	60 F, Partly Cloudy, 11.9 mph	FLIR, ThermalAM, GasFind IR	No deviations	None	Not Applicable	Not Applicable

Survey Information	Facility Name	Legal Entity	Date (h/t/c)	Beginning Time (h/t/c)	End Time (h/t/c)	Name of O&I Operator (h/t/c)	Training and Experience of O&I Operator (h/t/c)	Ambient Temperature, Sky Condition and Maximum Wind Speed (h/t/c)	Monitoring Instrument for Leak Detection (h/t/c)	Deviations from Specification of Instrument (h/t/c)	Number and Type of Components for Which Leaks were Detected (h/t/c)	Number and Type of Components Not Required as Required (h/t/c)	Number and Type of Components Filed in DOR (h/t/c)	Explanation for DOR (h/t/c)	Comments
Type of LEAK Components Monitored (h/t/c)	Date of Successful Leak Repairs (h/t/c)														
AZ140A	CNX Resources	5/27/2018	1330	1343	David Keene	3 years	50 F. Scattered Clouds, 5 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
AZ141A	CNX Resources	11/21/2017	1115	1120	David Keene	3 years	50 F. Partly Cloudy, Clouds, 5 mph	FLIR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
AZ142A	CNX Resources	5/27/2018	1605	1615	David Keene	3 years	50 F. Partly cloudy, Clouds, 5 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
AZ143A	CNX Resources	1/16/2018	1440	1445	David Keene	3 years	50 F. No deviation	FLIR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B40	CNX Resources	6/5/2018	1345	1355	David Keene	3 years	50 F. Partly cloudy, Clouds, 5 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B41	CNX Resources	6/5/2018	1515	1520	David Keene	3 years	72 F. Mostly Cloudy, 8 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B43A	CNX Resources	11/27/2017	1400	1405	David Keene	3 years	63 F. Clear, 7 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B45A	CNX Resources	5/10/2018	1355	1405	David Keene	3 years	71 F. Overcast/Cloudy, Clouds, 7 mph	FLIR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B45A	CNX Resources	11/27/2017	1350	1355	David Keene	3 years	69 F. Clear, 6 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B45A	CNX Resources	5/10/2018	1345	1355	David Keene	3 years	74 F. Mostly Cloudy, 6 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B45A	CNX Resources	11/27/2017	1345	1350	David Keene	3 years	64 F. Clear, 7 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B45A	CNX Resources	5/10/2018	1345	1350	David Keene	3 years	75 F. Mostly Cloudy, 6 mph	FLIR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B45A	CNX Resources	11/27/2017	1325	1330	David Keene	3 years	65 F. Clear, 3 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B45A	CNX Resources	5/14/2018	1340	1345	David Keene	3 years	50 F. Scattered Clouds, 6 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B45A	CNX Resources	7/18/2017	1345	1350	David Keene	3 years	50 F. Scattered Clouds, 5 mph	FLIR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
B45A	CNX Resources	1/20/2018	1015	1040	David Keene	3 years	51 F. Scattered Clouds, 5 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
C27A	CNX Resources	7/27/2017	1345	1350	David Keene	3 years	70 F. Partly Cloudy, Clouds, 2.5 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
C27A	CNX Resources	1/5/2018	1325	1330	David Keene	3 years	51 F. Mostly Cloudy, 2.5 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
C28A	CNX Resources	10/24/2017	1310	1315	David Keene	3 years	70 F. Partly Cloudy, Clouds, 2.5 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
C28A	CNX Resources	7/25/2018	1310	1315	David Keene	3 years	50 F. Mostly Cloudy, 2 mph	FLIR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
C28A	CNX Resources	1/27/2017	1315	1320	David Keene	3 years	50 F. Scattered Clouds, 2 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
C28A	CNX Resources	10/13/2018	1325	1330	David Keene	3 years	50 F. Partly Cloudy, Clouds, 2 mph	FLIR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
C28A	CNX Resources	7/29/2018	1505	1510	David Keene	3 years	50 F. Mostly Cloudy, 2 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
CC13	CNX Resources	9/27/2017	1315	1320	David Keene	3 years	50 F. Scattered Clouds, 2.5 mph	FLIR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
CC13	CNX Resources	1/13/2018	1240	1245	David Keene	3 years	51 F. Mostly Cloudy, 2.5 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
CC13	CNX Resources	7/13/2018	1225	1230	David Keene	3 years	51 F. Partly Cloudy, Clouds, 2 mph	FLIR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
CC13	CNX Resources	9/27/2017	1310	1315	David Keene	3 years	50 F. Scattered Clouds, 2.5 mph	ThermalCAM GasFind IR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable
CC13	CNX Resources	1/13/2018	1240	1245	David Keene	3 years	51 F. Overcast, Clouds, 3 mph	FLIR	No deviations	None	Net Applicable	Net Applicable	Not Applicable	Not Applicable	Not Applicable

Survey Information															
Facility Name	Legal Entity	Date (b)(7)(i)	Beginning Time (b)(7)(i)	End Time (b)(7)(i)	Name of GCI Operator (b)(7)(i)	Training and Testing Experience of GCI Operator (b)(7)(i)	Ambient Temperature and Maximum Wind Speed (b)(7)(i)	Monitoring Instrument (b)(7)(i)	Deviations (or Deviations) (b)(7)(i)	Number and Type of Components for Which Limitations Were Detected (b)(7)(i)	Number and Type of Components Repaired as Required (b)(7)(i)	Number and Type of Components Placed on DOR (b)(7)(i)	Explanation for DOR (b)(7)(i)	Type of Instrument Used to Repair a Component (not Initial Rating) (b)(7)(i)	Comments
CCIAA	CNA Resources	7/27/2018	1505	1510	David Kerner	3 years	70 F, Party cloudy, Cloudy, 5 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
DDI	CNA Resources	11/22/2017	12:0	12:5	David Kerner	3 years	5 F, Scattered Clouds, 5 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
DDI	CNA Resources	3/22/2018	1140	1145	David Kerner	3 years	40 F, Scattered Clouds, 5 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
DDTA	CNA Resources	3/22/2017	1410	1415	David Kerner	3 years	80 F, Party cloudy, Cloudy, 7.2 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
DDTA	CNA Resources	1/13/2018	1150	1155	David Kerner	3 years	5 F, Mostly Cloudy, 5 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
D031	CNA Resources	3/22/2017	1330	1335	David Kerner	3 years	70 F, Party Cloudy, 7.2 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
D031	CNA Resources	3/13/2018	1135	1140	David Kerner	3 years	Overcast/light rain, Cloudy, 2 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
DDTA	CNA Resources	3/22/2017	1340	1345	David Kerner	3 years	80 F, Scattered Clouds, 5.6 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
DDTA	CNA Resources	2/13/2018	1220	1225	David Kerner	3 years	55 F, Heavily Cloudy, 4.1 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
DDTA	CNA Resources	1/29/2018	1430	1435	David Kerner	3 years	50 F, Clear, 1.8 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
DDTA	CNA Resources	1/29/2018	1530	1535	David Kerner	3 years	45 F, Clear, 2.5 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
E39C	CNA Resources	11/16/2017	1325	1330	David Kerner / 3 yr experience	3 years	51 F, Clear, 7.9 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
E39C	CNA Resources	3/22/2018	1340	1345	David Kerner / 3 yr experience	3 years	51 F, Scattered Clouds, 5.9 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
E41A	CNA Resources	11/16/2017	1230	1235	David Kerner	3 years	60 F, Clear, 11.4 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
E41A	CNA Resources	3/22/2018	1340	1345	David Kerner	3 years	61 F, Scattered Clouds, 8.7 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
F40A	CNA Resources	1/26/2018	1030	1035	David Kerner	3 years	59 F, Overcast/ Snowing, 4.3 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
F40A	CNA Resources	9/20/2017	1435	1440	David Kerner	3 years	70 F, Heavily Cloudy, 4.2 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
FF31A	CNA Resources	6/20/2018 (Initial Survey)	1030	1035	David Kerner	3 years	60 F, Mostly Cloudy, 1.7 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
FF31A	CNA Resources	11/16/2017	1120	1125	David Kerner / 3 yr experience	3 years	60 F, Mostly Cloudy, 4.7 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
FF31A	CNA Resources	3/22/2018	1110	1115	David Kerner / 3 yr experience	3 years	65 F, Overcast, 9.0 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
FF34A	CNA Resources	11/22/2017	1250	1255	David Kerner	3 years	60 F, Clear, 4.2 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
FF34A	CNA Resources	5/4/2018	1200	1210	David Kerner	3 years	70 F, Party cloudy, Cloudy, 4.0 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
G21A	CNA Resources	7/22/2018 (Initial Survey)	1415	1420	David Kerner	3 years	80 F, Mostly Cloudy, 2.0 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
G22A	CNA Resources	11/22/2017	1240	1245	David Kerner	3 years	55 F, Overcast, 1.5 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
G22A	CNA Resources	5/25/2018	1130	1140	David Kerner	3 years	80 F, Party cloudy, Cloudy, 2.2 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
G40B	CNA Resources	8/10/2017	1155	1200	David Kerner	3 years	55 F, Overcast, 1.5 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	
G40B	CNA Resources	3/22/2018	1410	1415	David Kerner	3 years	65 F, Scattered Clouds, 2.2 mph	ThermalAM GasTurbIR	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Non Applicable	

Survey Information													
Facility Name Legal Entity	Date (b)(7)(i)	Beginning Time (b)(7)(a)	End Time (b)(7)(a)	Name of Sci Operator (b)(7)(a)	Monitoring Exercises of OC Operator (b)(7)(a)	Ambient Conditions and Measurement Instrumentation (b)(7)(a)	Deviations (or Deviations No Deviations) (b)(7)(a)	Number and Type of Components for Which Emissions Were Detected (b)(7)(a)	Number and Type of Components Not Repaired or Placed on DOR (b)(7)(a)	Type of Instrument Used to Measure a Component (not during the initial reading) (b)(7)(a)	Explanation for DOR (b)(7)(a)	Comments	
131C CNN Resources /6/21/2018 (Initial Survey)	1155	1220	David Kerne	3 years	7:18 AM Overcast/Rain, 0 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
131A CNN Resources /1/5/2017	1220	1225	David Kerne	3 years	5:18 F, Overcast/rain, 0 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
131A CNN Resources /5/25/2018	1230	1240	David Kerne	3 years	6:0 F, Clear, 0 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
141B CNN Resources /3/23/2018	1445	1450	David Kerne	3 years	46 F, Scattered Cloud, 0 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
151A CNN Resources /12/5/2017	1220	1225	David Kerne	3 years	5:1 F, Overcast/rain, Cloud, 0 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
151A CNN Resources /6/7/2018	1450	1500	David Kerne	3 years	8:18 F, Clear, 0.3 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
1120A CNN Resources /11/20/2017	1325	1330	David Kerne	3 years	6:1 F, Clear, 2.4 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
1120A CNN Resources /5/15/2018	1425	1435	David Kerne	3 years	8:18 F, Scattered Cloud, 1.5 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
131B CNN Resources /7/12/2018 (Initial Survey)	1440	1455	David Kerne	3 years	8:18 F, Scattered Cloud, 0 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
131B CNN Resources /10/9/2017	1130	1135	David Kerne	3 years	7:18 F, Overcast, 2.9 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
131B CNN Resources /1/2/2018	1140	1145	David Kerne	3 years	6:1 F, Partly Cloudy, Cloud, 1.5 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
141B CNN Resources /12/5/2017	1350	1355	David Kerne	3 years	5:1 F, Overcast/rain, Cloud, 1.5 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
141B CNN Resources /7/2/2018	1110	1120	David Kerne	3 years	7:18 F, Scattered Cloud, 0 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
131A CNN Resources /6/2/2018 (Initial Survey)	1125	1130	David Kerne	3 years	7:18 F, Overcast, 1.7 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32C CNN Resources /9/7/2017	1210	1215	David Kerne	3 years	6:1 F, Mostly Cloud, 3.6 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32C CNN Resources /3/2/2018	1120	1125	David Kerne	3 years	5:1 F, Partly Cloudy, Cloud, 4.1 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32B CNN Resources /11/20/2017	1100	1105	David Kerne 3 yrs experience	3 years	5:1 F, Clear, 2.7 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32D CNN Resources /3/29/2018	1440	1445	David Kerne 3 yrs experience	3 years	6:0 F, Mostly cloudy, Cloud, 3.4 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32B CNN Resources /11/20/2017	1120	1125	David Kerne 3 yrs experience	3 years	5:0 F, Clear, 2.4 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32D CNN Resources /3/29/2018	1420	1425	David Kerne 3 yrs experience	3 years	7:18 F, Partly Cloudy, Cloud, 3.3 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1125	1130	David Kerne	3 years	5:1 F, Mostly Cloud, 4.2 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1410	1415	David Kerne	3 years	6:0 F, Partly Cloudy, Cloud, 4.5 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1100	1105	David Kerne	3 years	7:1 F, Mostly Cloud, 5.3 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1420	1425	David Kerne	3 years	6:0 F, Partly Cloudy, Cloud, 5.6 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1125	1130	David Kerne	3 years	5:1 F, Mostly Cloud, 6.1 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1445	1455	David Kerne	3 years	7:18 F, Partly Cloudy, Cloud, 6.3 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1120	1125	David Kerne 3 yrs experience	3 years	5:0 F, Clear, 2.4 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1420	1425	David Kerne 3 yrs experience	3 years	7:18 F, Partly Cloudy, Cloud, 3.3 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1125	1130	David Kerne	3 years	5:1 F, Mostly Cloud, 4.1 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1420	1425	David Kerne	3 years	6:0 F, Partly Cloudy, Cloud, 4.5 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1125	1130	David Kerne	3 years	7:1 F, Mostly Cloud, 5.3 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1445	1455	David Kerne	3 years	6:0 F, Partly Cloudy, Cloud, 6.1 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1100	1105	David Kerne	3 years	7:1 F, Mostly Cloud, 6.9 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1420	1425	David Kerne	3 years	5:0 F, Overcast/rain, Cloud, 7.1 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1125	1130	David Kerne	3 years	5:1 F, Mostly Cloud, 7.8 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	
K32A CNN Resources /1/2/2018	1445	1455	David Kerne	3 years	6:0 F, Overcast/rain, Cloud, 8.6 mph	ThermCAM GasFind IR	No deviations	None	No Applicable	No Applicable	No Applicable	No Applicable	

Survey Information

Facility Name	Legal Entity	Date (MM/DD/YY)	Beginning Time (h:m:s)	End Time (h:m:s)	Name of O&G Operator (h:m:s)	Monitoring Instrument Used and Type of Measuring Experiments and Maximum Wind Speed (h:m:s)	Number and Type of Components for Which Deviations (h:m:s) were Detected (h:m:s)	Number and Type of Components for Which Deviations (h:m:s) were Detected (h:m:s)	Number and Type of Components Monitored (h:m:s)	Number and Type of Components Placed in DOR (h:m:s)	Explanation for DOR (h:m:s)	Type of Instrument Used to Survey a Required Component During the Initial Inspect (h:m:s)	Comments
NZIA	CNA Resources	6/14/2018	1420	1425	David Kerne	3 years	7.5 F. Clear, 1.2 mph FLIR Gas/IR	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
NZIA	CNA Resources	12/5/2017	1100	1105	David Kerne	3 years	5.5 F. Over/Upwind Cloudy, 6.3 mph Gas/IR	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
NZIA	CNA Resources	6/14/2018	1110	1110	David Kerne	3 years	7.5 F. Clear, 1.3 mph FLIR	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
OZIA	CNA Resources	11/28/2017	12:00 AM	12:00 AM	David Kerne	3 yrs experience	5.5 F. Clear, 4.5 mph FLIR	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
OZIA	CNA Resources	12/9/2018	12:00 AM	12:00 AM	David Kerne	3 years	7.5 F. Scattered Clouds, 6.3 mph Gas/IR	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
OZIA	CNA Resources	11/27/2017	12:00 AM	12:00 AM	David Kerne	3 yrs experience	6.1 F. Clear, 0.2 mph FLIR	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
OZIA	CNA Resources	6/14/2018	12:00 AM	12:00 AM	David Kerne	3 years	6.1 F. Mostly Cloudy, 6.3 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
USIA	CNA Resources	12/5/2017	12:00 AM	12:00 AM	David Kerne	3 years	5.5 F. Overcast, 4.8 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
USIA	CNA Resources	6/14/2018	12:00 AM	12:00 AM	David Kerne	3 years	6.1 F. Clear, 0.4 mph FLIR	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
RJ11	CNA Resources	11/17/2018	12:00 AM	12:00 AM	David Kerne	3 years	6.1 F. Mostly Cloudy, 7.1 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
RJ12	CNA Resources	11/17/2018	12:00 AM	12:00 AM	David Kerne	3 years	6.1 F. Overcast, 0.1 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
SJ11	CNA Resources	5/16/2018	12:00 AM	12:00 AM	David Kerne	3 years	6.1 F. Overcast/Satiny, 0 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
SJ12	CNA Resources	5/16/2018	12:00 AM	12:00 AM	David Kerne	3 years	6.1 F. Overcast/Battery, 0.1 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
SJ11A	CNA Resources	10/12/2018	12:00 AM	12:00 AM	David Kerne	3 years	7.5 F. Cloudy, 7.2 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
J7	CNA Resources	10/27/2017	12:00 AM	12:00 AM	David Kerne	3 years	6.1 F. Scattered Clouds, 1.1 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
J7A	CNA Resources	10/9/2018	1445	1450	David Kerne	3 years	6.1 F. Overcast, 0.1 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
J54	CNA Resources	12/12/2017	1315	1520	David Kerne	3 years	7.5 F. Overcast/ Cloudy, 2.6 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
J54	CNA Resources	6/12/2018	13:55	1405	David Kerne	3 years	7.5 F. Mostly Cloudy, 6.3 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
J55	CNA Resources	12/12/2017	1530	1535	David Kerne	3 years	25 F. Overcast/ Cloudy, 11.9 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
J55	CNA Resources	6/17/2018	1100	1110	David Kerne	3 years	7.5 F. Mostly Cloudy, 6.3 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
USIA	CNA Resources	11/17/2017	1125	1130	David Kerne	3 years	4.5 F. Mostly Cloudy, 6.3 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
USIA	CNA Resources	4/2/2018	1020	1025	David Kerne	3 years	5.5 F. Overcast, 0.2 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
J52	CNA Resources	11/17/2017	1030	1035	David Kerne	3 years	5.5 F. Mostly Cloudy, 6.3 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
J52	CNA Resources	1/22/2018	1520	1525	David Kerne	3 years	4.5 F. Mostly Cloudy, 6.8 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
USIA	CNA Resources	11/17/2017	1110	1115	David Kerne	3 yrs experience	5.5 F. Mostly Cloudy, 8.8 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
USIA	CNA Resources	1/22/2018	1535	1540	David Kerne	3 years	4.5 F. Mostly Cloudy, 7.4 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable
USIA	CNA Resources	11/15/2017	1030	1040	David Kerne	3 yrs experience	4.5 F. Mostly Cloudy, 7.2 mph	ThermalAM Gas/IR	No deviations None	No applicable	No applicable	No applicable	No applicable

Survey Information											
Facility Name	Legal Entity	Date (b)(7)(i)	Beginning Time (b)(7)(i)	End Time (b)(7)(i)	Name of O&I Operator (b)(7)(i)	Training and Experience of O&I Operator (b)(7)(i)	Ambient Temperature and Maximum Wind Speed (b)(7)(i)	Monitoring Instrument (b)(7)(i)	Deviations (or Deviations of No Deviations) (b)(7)(i)	Number and Type of Components for Which Emissions were Detected (b)(7)(v)	Number and Type of Components Monitored (b)(7)(v)
US3	CNA Resources	6/7/2018	10:05	11:00	David Kerner	3 yrs experience	65°F, Meety Cloudy, 2.1 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
US5	CNA Resources	12/12/2017	14:40	14:45	David Kerner	3 years	71°F, Partly Cloudy, 1.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
US5A	CNA Resources	6/12/2018	13:20	13:30	David Kerner	3 years	71°F, Meety Cloudy, 2.3 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
US5A	CNA Resources	12/12/2017	14:50	14:50	David Kerner	3 years	71°F, overcast/light rain, 0.2 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
US5A	CNA Resources	6/12/2018	13:07	13:17	David Kerner	3 years	71°F, Meety Cloudy, 0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
US6	CNA Resources	12/12/2017	14:10	14:35	David Kerner	3 years	26°F, Partly cloudy, snow, 1.2 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
US6	CNA Resources	6/12/2018	13:00	13:10	David Kerner	3 years	70°F, Meety Cloudy, 0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
US9	CNA Resources	6/16/2017	11:39	11:35	David Kerner	3 years	51°F, Party cloudy, snow, 2.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
US9	CNA Resources	12/12/2017	14:50	14:50	David Kerner	3 years	70°F, Party cloudy, snow, 2.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	12/12/2017	14:40	14:50	David Kerner	3 years	70°F, Party cloudy, snow, 2.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	6/13/2018	12:45	12:55	David Kerner	3 years	70°F, Party cloudy, snow, 2.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	6/19/2018	15:15	15:20	David Kerner	3 years	70°F, Party cloudy, snow, 2.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	12/12/2017	14:40	14:50	David Kerner	3 years	70°F, Party cloudy, snow, 2.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	6/12/2018	12:30	12:40	David Kerner	3 years	70°F, Meety Cloudy, 0.3 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	6/21/2017	11:25	11:55	David Kerner	3 years	70°F, Scattered Clouds, 2.7 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	12/19/2018	12:05	12:10	David Kerner	3 years	69°F, Party cloudy, 5.2 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	6/28/2017	11:15	11:30	David Kerner	3 years	74°F, Meety Cloudy, 0.9 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	12/19/2018	12:05	12:10	David Kerner	3 years	69°F, Party cloudy, 5.2 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	6/21/2017	12:15	12:35	David Kerner	3 years	74°F, Scattered Clouds, 1.5 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	12/19/2018	11:55	12:00	David Kerner	3 years	69°F, Party cloudy, 5.1 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	6/21/2017	12:10	12:15	David Kerner	3 years	74°F, Scattered Clouds, 2.4 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	12/19/2018	12:35	12:40	David Kerner	3 years	64°F, Party cloudy, 2.6 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	10/2/2017	12:55	13:00	David Kerner	3 years	70°F, Clear, 2.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	11/1/2018	14:05	14:10	David Kerner	3 years	64°F, Overcast, 4.7 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	12/1/2018	13:45	13:50	David Kerner	3 years	64°F, Overcast, 5.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	11/1/2017	12:15	12:20	David Kerner	3 years	64°F, Overcast, 5.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	11/1/2018	11:05	11:05	David Kerner	3 years	64°F, Overcast, 5.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable
VSA	CNA Resources	11/15/2017	11:40	11:45	David Kerner	3 yrs experience	50°F, Meety Cloudy, 0.0 mph	ThermACAM GasFind IR	No deviations	None	Not Applicable

Survey Information														
Facility Name	Legal Entity	Date (b)(7)(i)	Beginning Time (b)(7)(i)	End Time (b)(7)(i)	Name of O&G Operator &IC#(b)(i)	Trouting and Experience of Old Operator (b)(7)(ii)	Ambient Temperature, Sky Condition, and Maximum Wind Speed (b)(7)(v)	Maintaining Instrument (or Deviations (b)(7)(v))	Deviations (or Deviations (b)(7)(v))	Number and Type of Components for Which Emissions Were Detected (b)(7)(vi)	Number and Type of Components Not Reported as Required (b)(7)(vi)	Type of Instrument Used to Measure a Component during the Initial Finding (b)(7)(vi)	Explanation for (b)(7)(vi)	Comments
X46A	CNA Resources	4/2/2018	1045	1650	David Kerner / 1 yr experience	3 years	45 F, Overcast, 1.0 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
X55A	CNA Resources	11/27/2017	1413	1415	David Kerner	3 years	52 F, Clear, 2.2 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
X55A	CNA Resources	5/10/2018	1830	1840	David Kerner	3 years	69 F, Overcast, 0.8 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
Y46C	CNA Resources	12/12/2017	1045	1050	David Kerner / 1 yr experience	3 years	35 F, Overcast, 0.6 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
Y46C	CNA Resources	1/29/2018	1115	1150	David Kerner / 3 yr experience	3 years	69 F, Mocty Cloud, <2 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
Y46	CNA Resources	11/20/2017	1405	1410	David Kerner / 1 yr experience	3 years	53 F, Clear, 2.3 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
Y46	CNA Resources	4/2/2018	1255	1300	David Kerner / 3 yr experience	3 years	54 F, Overcast, 0.2 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
Y47	CNA Resources	11/20/2017	1415	1430	David Kerner	3 years	59 F, Clear, 3 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
Y47	CNA Resources	4/2/2018	1325	1330	David Kerner	3 years	43 F, Overcast, 2.5 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
Z53A	CNA Resources	11/29/2017	1410	1415	David Kerner	3 years	61 F, Clear, 2.9 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
Z53A	CNA Resources	5/10/2018	1430	1500	David Kerner	3 years	71 F, Mocty Cloud, <2 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	
Z5227	CNA Resources	1/29/2018 (Initial Survey)	1355	1400	David Kerner	3 years	54 F, Mocty Cloud, <2 mph	FLIR ThermalAM GasField IR	No deviations	Name	Not Applicable	Not Applicable	Not Applicable	

1. No components at any facility are currently designated as DTM or UTM.

